



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86527

SDG No.: LB86527

Contract: _____ Lab Code: CHEM

Case No.: LB86527

SAS No.: LB86527

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Reactive Cyanide	0.094	0.099	94.9	0	85 - 115		03/23/2017	15:05	LB86527



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86527

SDG No.: LB86527

Contract: _____ Lab Code: CHEM

Case No.: LB86527

SAS No.: LB86527

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Reactive Cyanide	0.24	0.25	96	0	90 - 110		03/23/2017	15:05	LB86527
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		03/23/2017	15:09	LB86527



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86527

SDG No.: LB86527

Contract:

Lab Code: CHEM

Case No.: LB86527

SAS No.: LB86527

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		03/23/2017	15:05	LB86527



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86527

SDG No.: LB86527

Contract:

Lab Code: CHEM

Case No.: LB86527

SAS No.: LB86527

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00026	+/-0.005	U		0.005		03/23/2017	15:05	LB86527
CCB2	Reactive Cyanide	0	+/-0.005	U		0.005		03/23/2017	15:09	LB86527



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>LB86527</u>	SDG No.:	<u>LB86527</u>				
Contract:	<u> </u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>LB86527</u>	SAS No.:	<u>LB86527</u>

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
------------------	----------------	------------------------	-----------------------------	----------------------	------------	-------------	----------	--------------------------	--------------------------	-----------------------



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86527	Date Received:	3/21/2017 12:00:00 AM
Client Sample ID:	MANHOLE-001	SDG No.:	LB86527
Lab Sample ID:	I2351-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00046	U	1	0.0025		0.005	mg/L	03/23/2017	03/23/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86527	Date Received:	3/22/2017 12:00:00 AM
Client Sample ID:	WC-COMP-10	SDG No.:	LB86527
Lab Sample ID:	I2364-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0046	U	1	0.025		0.05	mg/Kg	03/23/2017	03/23/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86527	Date Received:	3/22/2017 12:00:00 AM
Client Sample ID:	WC-COMP-11	SDG No.:	LB86527
Lab Sample ID:	I2364-05	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00048	U	1	0.025		0.05	mg/Kg	03/23/2017	03/23/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86527	Date Received:	3/22/2017 12:00:00 AM
Client Sample ID:	WC-COMP-12	SDG No.:	LB86527
Lab Sample ID:	I2364-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0054	U	1	0.025		0.05	mg/Kg	03/23/2017	03/23/2017	9012B



Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86527	Date Received:	3/22/2017 12:00:00 AM
Client Sample ID:	WC-COMP-12	SDG No.:	LB86527
Lab Sample ID:	I2364-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
-----	-----------	-------	------	----	-----	-----	------------	-------	-----------	-----------	----------

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB86527

SDG No.: LB86527

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB97777BL	WATER			Batch Number:	PB97777			Prep Date:	03/23/2017	
	Reactive Cyanide	-0.00028	<0.005	U		0.005		03/23/2017	15:05	LB86527
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB97778BL	SOLID			Batch Number:	PB97778			Prep Date:	03/23/2017	
	Reactive Cyanide	0.00047	<0.05	U		0.05		03/23/2017	15:05	LB86527

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB86527 **Level:** LOW **SDG No.:** LB86527
Contract: **Lab Code:** CHEM **Case No.:** LB86527 **SAS No.:** LB86527
Matrix: WATER **Sample ID:** I2351-02 **Client ID:** MANHOLE-001DUP
Percent Solids for Sample: 0 **Duplicate ID** I2351-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	-0	U			

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB86527 **Level:** LOW **SDG No.:** LB86527
Contract: **Lab Code:** CHEM **Case No.:** LB86527 **SAS No.:** LB86527
Matrix: Solid **Sample ID:** I2364-04 **Client ID:** WC-COMP-10DUP
Percent Solids for Sample: 100 **Duplicate ID** I2364-04DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.00062	U			